



Atty. Dkt. No. 030523-0105

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Henryk LUBON et al.

Title: EXPRESSION OF A HETEROLOGOUS POLYPEPTIDE IN MAMMARY  
TISSUE OF TRANSGENIC NON-HUMAN MAMMALS USING A LONG  
WHEY ACIDIC PROTEIN PROMOTER

Patent. No.: 5,831,141

Issue Date: 11/03/1998

Examiner: D. Crouch

Art Unit: 1632

**CERTIFICATE**

**JAN 24 2002**

**OF CORRECTION**

**REQUEST FOR CERTIFICATE OF CORRECTION FOR  
PTO MISTAKE PURSUANT TO 37 C.F.R. § 1.322(a)**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed, in duplicate, is a Certificate of Correction, Form PTO-1050, for United States Patent Number 5,831,141 issued November 3, 1998. The following Patent Office errors appear in the issued patent:

**ON THE COVER OF THE PATENT:**

Please note that the "Inventors" is incorrect. Please delete the inventors section and insert as follows:

--[75] Henryk Lubon, Rockville, Md.; William N. Drohan, Springfield, Va.;  
Lothar Hennighausen, Chevy Chase, Md.; William H. Velander,  
Blacksburg, Va.

This Certificate is needed to correct the inventorship designation. The attention of the PTO is directed to the petition and amendment under 37 C.F.R. § 1.48(a) filed on November 2, 1998, adding William H. Velander as an inventor (copy enclosed). The petition was accepted and the inventorship changed as noted in the Communication from the Examiner dated December 1, 1998 (copy enclosed). The Examiner stated that

the file was being forwarded to Certificate of Corrections for action. No correction was initiated by the Patent Office, and as a result, this Request is now filed.

In support of the petition, an executed Declaration and Power of Attorney, signed by all the actual inventors, including Lothar Hennighausen, was filed. Lothar Hennighausen's name in this declaration was correctly spelled.

Applicant submits that the above changes would not constitute new matter, and correction thereof would not require reexamination.

Pursuant to 37 C.F.R. §1.322, Applicant requests that the enclosed Certificate of Correction be approved.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

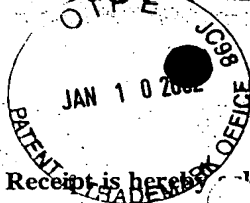
Respectfully submitted,

Date January 10, 2002

FOLEY & LARDNER  
Washington Harbour  
3000 K Street, N.W., Suite 500  
Washington, D.C. 20007-  
5109 Telephone: (202) 672-5404  
Facsimile: (202) 672-5399

By Stephen A. Bent Reg. No. 34,485

Stephen A. Bent  
Attorney for Applicant  
Registration No. 29,768



Receipt is hereby acknowledged of the following:

Applicant: Henryk LUBON, *et al.*

Serial No.: 07/943,246

Filed: September 10, 1992

Title: EXPRESSION OF A HETEROLOGOUS POLYPEPTIDE IN MAMMARY  
TISSUE OF TRANSGENIC NON-HUMAN MAMMALS USING A LONG  
WHEY ACIDIC PROTEIN PROMOTER

Docket No: 030523/0105

1. Petition under 37 CFR 1.48(a)
2. Statement in Support of Correcting Inventorship
3. Declaration and Power of Attorney (3 separate documents to make complete)
4. Consent of Assignee/American Red Cross
5. Consent of Assignee/National Institutes of Health
6. Check # 664036 in the amount of \$130.00

**HAND DELIVERY GROUP 1632**

Date Due: N/A

Today's Date: 11/02/98

Return to: PDG/jb/IAHU/adm

Inspected by: JKB

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TECH CENTER 1600/2900  
98 NOV -2 PM 11:22

LAH



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Attorney Docket No.: 030523/0105**

In re patent application of

Henryk LUBON, *et al.*

Serial No.: 07/943,246

Filed: September 10, 1992

Batch No. D55

Group Art Unit: 1632

Examiner: D. CROUCH

For: **EXPRESSION OF A HETEROLGOUS POLYPEPTIDE IN MAMMARY  
TISSUE OF TRANSGENIC NON-HUMAN MAMMALS USING A  
LONG WHEY ACIDIC PROTEIN PROMOTER**

**PETITION AND AMENDMENT UNDER 37 C.F.R. 1.48(a)**

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

Please amend the above-captioned application to add the following individual  
as an inventor: -- William H. VELANDER--.

In support of this petition, the following documents are included:

- (a) A statement by the added inventor, William H. Velander, that the error in inventorship occurred without deceptive intent on his part;
- (b) An executed Declaration and Power of Attorney, signed by all the actual inventors (Henryk Lubon, William N. Drohan, Lothar Hennighausen and William H. Velander);
- (c) The fee as set forth in Section 1.17(i); and
- (d) Consent of Assignee signed by both assignees.

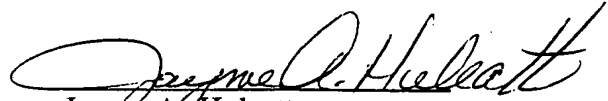
A check in the amount of \$130.000 is attached hereto. This amount is believed to be correct; however, the Commissioner is hereby authorized to charge any

Serial No: 07/943,246

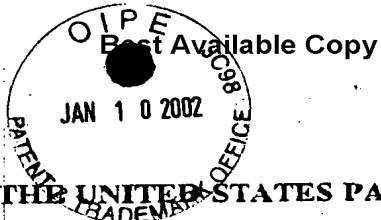
deficiency or credit any overpayment to Deposit Account No. 19-0741. A duplicate copy of this letter is attached for this purpose.

Respectfully submitted,

October 30, 1998  
Date

  
Jayne A. Huleatt  
Registration No. 34,485

Foley & Lardner  
3000 K Street, N.W., Suite 500  
Washington, D.C. 20007-5109  
(202) 672-5300



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 30523/105

In re patent application of

Henryk LUBON et al.

Serial No. 07/943,246

Filed: September 10, 1992

Batch No. D55

Group Art Unit: 1632

Examiner: D. Crouch

For: **EXPRESSION OF A HETEROLOGOUS POLYPEPTIDE IN MAMMARY  
TISSUE OF TRANSGENIC NON-HUMAN MAMMALS USING A LONG  
WHEY ACIDIC PROTEIN PROMOTER**

**STATEMENT IN SUPPORT OF CORRECTING INVENTORSHIP**  
**UNDER 37 CFR §1.48(a)**

I am an inventor of U.S. Patent Application Serial No. 07/943,246 filed on September 10, 1992 ("the application"). I was erroneously not included as an inventor when the application was filed. The error in inventorship occurred without deceptive intent on my part.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of this patent.

10/29/98  
Date

  
William H. Velandar

# DECLARATION AND POWER OF ATTORNEY

Docket No. 30523/105

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**EXPRESSION OF A HETEROLOGOUS POLYPEPTIDE IN MAMMARY TISSUE OF TRANSGENIC NON-HUMAN MAMMALS USING A LONG WHEY ACIDIC PROTEIN PROMOTER**

the specification of which is attached hereto unless the following box is checked:

**XX** was filed on September 10, 1992 as United States Application Number or PCT International Application Number 07/943,246 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

## PRIOR FOREIGN APPLICATION(S)

NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	PRIORITY CLAIMED

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

APPLICATION NO.	FILING DATE

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS: PATENTED, PENDING, ABANDONED
<u>07/638,995</u>	<u>January 11, 1991</u>	<u>Abandoned</u>

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Stephen A. Bent, Reg. No. 29,768; David A. Blumenthal, Reg. No. 26,257; William T. Ellis, Reg. No. 26,874; John J. Feldhaus, Reg. No. 28,822; Patricia D. Granados, Reg. No. 33,683; John P. Isacson, Reg. No. 33,715; Eugene M. Lee, Reg. No. 32,039; Peter G. Mack, Reg. No. 26,001; Brian J. McNamara, Reg. No. 32,789; Sybil Meloy, Reg. No. 22,749; George E. Quillin, Reg. No. 32,792; Colin G. Sandercock, Reg. No. 31,298; Bernhard D. Saxe, Reg. No. 28,665; Charles F. Schill, Reg. No. 27,590; Richard L. Schwaab, Reg. No. 25,479; Arthur Schwartz, Reg. No. 22,115; Harold C. Wegner, Reg. No. 25,258.

Address all correspondence to POLEY & LARDNER, 3000 K Street, N.W., Suite 500, Washington, DC 20007-5109. Address telephone communications to Patricia D. Granados at (202) 672-5300.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole Inventor <b>Henryk LUBON</b>		Signature of First or Sole Inventor <i>Henryk Lubon</i>	Date <b>10/30/98</b>
Residence Address <b>Derwood, Maryland</b>		Country of Citizenship <b>Poland</b>	
Post Office Address <b>8010 Needwood Road, #204, Derwood, Maryland 20855</b>			

Full Name of Second Inventor <b>William N. DROHAN</b>		Signature of Second Inventor <i>William N. Drohan</i>	Date <b>10/30/98</b>
Residence Address <b>Springfield, Virginia</b>		Country of Citizenship <b>United States</b>	
Post Office Address <b>8417 Oakford Drive, Springfield, Virginia 22152</b>			

Full Name of Third Inventor <b>Lothar HENNIGHAUSEN</b>		Signature of Third Inventor	Date
Residence Address <b>Chevy Chase, Maryland</b>		Country of Citizenship <b>United States</b>	
Post Office Address <b>8806 Altimont Lane, Chevy Chase, Maryland 20815</b>			

Full Name of Fourth Inventor <b>William H. VELANDER</b>		Signature of Fourth Inventor	Date
Residence Address <b>Blacksburg, Virginia</b>		Country of Citizenship <b>United States</b>	
Post Office Address <b>3014 Lancaster Drive, Blackburg, Virginia 24060</b>			



JAN 10 2002

Docket No. 30523/105

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Post Office Address <b>8417 Oakford Drive, Springfield, Virginia 22152</b>		

Full Name of Third Inventor <b>Lothar HENNIGHAUSEN</b>	Signature of Third Inventor 	Date <b>10-30-98</b>
Residence Address <b>Chevy Chase, Maryland</b>	Country of Citizenship <b>United States</b>	
Post Office Address <b>8806 Altimont Lane, Chevy Chase, Maryland 20815</b>		

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Residence Address <b>Blacksburg, Virginia</b>	Country of Citizenship <b>United States</b>	
Post Office Address <b>3014 Lancaster Drive, Blackburg, Virginia 24060</b>		

Best Available Copy  
JAN 10 2002  
PATENT & TRADEMARK OFFICE

**DECLARATION AND POWER OF ATTORNEY**

Docket No. 30523/105

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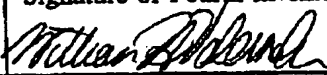
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Residence Address <b>Derwood, Maryland</b>	Country of Citizenship <b>Poland</b>	
Post Office Address <b>8010 Needwood Road, #204, Derwood, Maryland 20855</b>		

Full Name of Second Inventor <b>William N. DROHAN</b>	Signature of Second Inventor	Date
Residence Address <b>Springfield, Virginia</b>	Country of Citizenship <b>United States</b>	
Post Office Address <b>8417 Oakford Drive, Springfield, Virginia 22152</b>		

Full Name of Third Inventor <b>Lothar HENNIGHAUSEN</b>	Signature of Third Inventor	Date
Residence Address <b>Chevy Chase, Maryland</b>	Country of Citizenship <b>United States</b>	
Post Office Address <b>8806 Altimont Lane, Chevy Chase, Maryland 20815</b>		

Full Name of Fourth Inventor <b>William H. VELANDER</b>	Signature of Fourth Inventor 	Date <b>10/29/98</b>
Residence Address <b>Blacksburg, Virginia</b>	Country of Citizenship <b>United States</b>	
Post Office Address <b>3014 Lancaster Drive, Blackburg, Virginia 24060</b>		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: 030523/0105

In re patent application of

Henryk LUBON, et al.

Serial No.: 07/943,246

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Group Art Unit: 1632

Examiner: D. CROUCH

For: EXPRESSION OF A HETEROLOGOUS POLYPEPTIDE IN MAMMARY TISSUE OF  
TRANSGENIC NON-HUMAN MAMMALS USING A LONG WHEY ACIDIC  
PROTEIN PROMOTER

CONSENT OF ASSIGNEE FOR CORRECTION OF INVENTORSHIP  
UNDER 37 CFR § 1.48(a)

Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY  
THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, NATIONAL INSTITUTES  
OF HEALTH is the assignee of the above-identified patent application by virtue of an assignment recorded  
September 22, 1993. A copy of the filed assignment is herewith attached.

GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY  
THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, NATIONAL INSTITUTES  
OF HEALTH hereby consents to the correction of inventorship naming William H. Velandar as a co-inventor in  
the above-identified patent application.

I am authorized to act on behalf of the assignee, GOVERNMENT OF THE UNITED  
STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND  
HUMAN SERVICES, NATIONAL INSTITUTES OF HEALTH

Respectfully submitted,

Government of the United States of America, as  
Represented By The Secretary, Department Of  
Health And Human Services, National Institutes Of  
Health

10/30/98  
Date

Signature:

Name:

Title:

Jack Spiegel, Ph.D.

Director, Division of Technology  
Development and Transfer  
Office of Technology Transfer  
National Institutes of Health



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DATE: 10/21/93  
TO:

N06C

FOLEY & LARDNER  
STEPHEN A. BENT  
3000 K ST., NW  
SUITE 500  
WASHINGTON, DC 20007

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:  
HENNIGHAUSEN, LOTHER

DOC DATE: 09/07/93

RECORDATION DATE: 09/22/93      NUMBER OF PAGES 003      REEL/FRAME 6690/0982

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

UNITED STATES OF AMERICA, THE, AS REPRESENTED BY THE  
SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES NATIONAL  
INSTITUTES OF HEALTH  
OFFICE OF TECHNOLOGY TRANSFER  
BOX OTT  
BETHESDA, MD 20892

SERIAL NUMBER      7-943246      FILING DATE      09/10/92  
PATENT NUMBER           ISSUE DATE      00/00/00

*Jeryl McDowell*  
EXAMINER/PARALEGAL  
ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

ASSIGNMENT

For good and valuable consideration received of the hereinafter Assignee, receipt of which is hereby acknowledged, the undersigned Lothar Hennighausen, hereby sells and assigns to the

Government of the United States of America,  
as represented by the  
Secretary, Department of Health and Human Services,  
National Institutes of Health,  
Office of Technology Transfer,  
Box OTT,  
Bethesda, Maryland 20892,  
United States of America,

the full right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in

EXPRESSION OF ACTIVE HUMAN PROTEIN C IN MAMMARY  
TISSUE OF TRANSGENIC ANIMALS USING A LONG WAP PROMOTER

as set forth in their United States Patent Application

Serial No. 07/943,246 filed September 10, 1992,

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention

REF 6690 FRANK 983

disclaimers, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said inventions, and to testifying any proceedings relating to said inventions, patent applications and Letters Patent.

The undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Date: 9/7/93<sup>CH</sup>

Inventor: Lothar Hennighausen  
Lothar HENNIGHAUSEN

Post Office Address:

8806 Altimont Lane  
Chevy Chase, Maryland 20815

Date: 9/3/93

Witness: Purcell H. H. H.

Date: 9-7-93

Witness: Louisa Akar

Bethesda, Maryland :  
: SS  
:

Before me personally appeared the above named who acknowledged the execution of the foregoing instrument as his free act and deed.

Date: Sept. 7, 1993

Margaret E. Harker  
Notary Public  
MARGARET E. HARKER  
NOTARY PUBLIC  
STATE OF MARYLAND  
COMMISSION EXPIRES FEB. 1, 1997

SEP 22 93  
RECORDED  
PATENT AND TRADEMARK  
OFFICE

REEL 6690 FRAME 984



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: 030523/0105

In re patent application of

Batch No. D55

Henryk LUBON, *et al.*

Group Art Unit: 1632

Serial No.: 07/943,246

Examiner: D. CROUCH

Filed: September 10, 1992

For: EXPRESSION OF A HETEROLOGOUS POLYPEPTIDE IN  
MAMMARY TISSUE OF NON-HUMAN TRANSGENIC ANIMALS  
USING A LONG WHEY ACIDIC PROTEIN PROMOTER

CONSENT OF ASSIGNEE FOR CORRECTION OF INVENTORSHIP  
UNDER 37 CFR § 1.48(a)

Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

AMERICAN RED CROSS is the assignee of the above-identified patent application by virtue of an assignment recorded September 22, 1993. A copy of the filed assignment is herewith attached.

AMERICAN RED CROSS hereby consents to the correction of inventorship naming William H. Velander as a co-inventor in the above-identified patent application.

I am authorized to act on behalf of the assignee, AMERICAN RED CROSS.

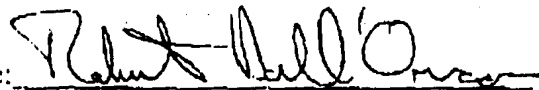
Respectfully submitted,

American Red Cross

Date

10/30/98

Signature:

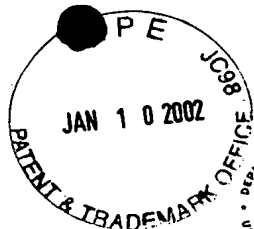


Name:

ROBERT DELL'ORCO, Ph.D.

Title:

TECHNOLOGY TRANSFER ASSOCIATE



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DATE: 10/25/93  
TO:

N06C

STEPHEN A. BENT  
FOLEY & LARDNER  
3000 K ST., NW  
SUITE 500  
WASHINGTON, DC 20007

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:  
LUBON, HENRYK

DOC DATE: 08/24/93

ASSIGNOR:  
DROHAN, WILLIAM N.

DOC DATE: 08/19/93

RECORDATION DATE: 09/22/93    NUMBER OF PAGES 003    REEL/FRAME 6690/0979

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:  
AMERICAN RED CROSS  
THE JEROME H. HOLLAND LABORATORY  
15601 CRABBS BRANCH WAY  
ROCKVILLE, MD 20855

SERIAL NUMBER	7-943246	FILING DATE	09/10/92
PATENT NUMBER		ISSUE DATE	00/00/00

*Nicole Scott*  
EXAMINER/PARALEGAL  
ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

ASSIGNMENT

For good and valuable consideration received of the hereinafter Assignee, receipt of which is hereby acknowledged, the undersigned Henryk Lubon and William N. Drohan, hereby sell and assign to the

American Red Cross,  
The Jerome H. Holland Laboratory,  
15601 Crabbs Branch Way,  
Rockville, Maryland 20855,  
United States of America,

the full right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in

EXPRESSION OF ACTIVE HUMAN PROTEIN C IN MAMMARY  
TISSUE OF TRANSGENIC ANIMALS USING A LONG WAP PROMOTER

as set forth in their United States Patent Application

Serial No. 07/943,246 filed September 10, 1992,

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said inventions, and to testify

REF 6690 FRAME 980

in any proceedings relating to said inventions, patent applications and Letters Patent.

The undersigned hereby grant the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Date: 8/24/93

Inventor: Henry L. Lubon  
Henryk LUBON

Post Office Address:

7416 Monona Terrace  
Rockville, Maryland 20855

Date: 8/19/93

Inventor: William N. Drohan  
William N. DROHAN

Post Office Address:

8417 Oakford Drive  
Springfield, Virginia 22152

Date: 8.19.93

Witness: Paul C. Hibbard

Date: 8/24/93

Witness: Billy Lee

:  
: SS  
:

SEP 22 93

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OFFICE

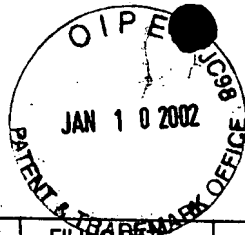
Before me personally appeared the above named who acknowledged the execution of the foregoing instrument as his free act and deed.

Date: 8/19/93  
8/24/93

ANN B. WALLINGTON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires August 14, 1998

Ann B. Wallington  
Notary Public

REEL 6690 FRAME 981



USP 5,831,141  
UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
07/943,246	09/10/92	LOBUN	30523/105

FOLEY & LARDNER  
SUITE 500  
3000 K ST N.W.  
WASHINGTON DC 20007-5109

HM31/1201

EXAMINER
----------

CROUCH, D

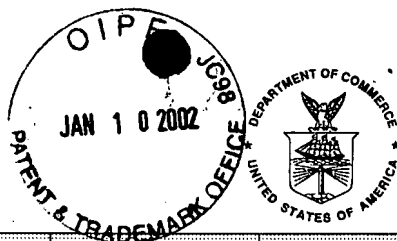
ART UNIT	PAPER NUMBER
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1632

DATE MAILED: 12/01/98

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ADDRESS:  
ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTY. DOCKET NO.
-----------------	-------------	----------------------	------------------

EXAMINER
----------

ART UNIT	PAPER NUMBER
----------	--------------

**DATE MAILED:**

**Please find below and/or attached an Office communication concerning the above identified application.**

**Commissioner of Patents and Trademarks**

In view of the papers filed November 2, 1998, it has been found that this nonprovisional application, as filed, through error and without deceptive intent, improperly set forth the inventorship, and accordingly, this application has been corrected in compliance with 37 CFR 1.48(a). The inventorship of this application has been changed by the addition of William H. Velander.

Since this paper was filed before issuance, but received by the Examiner after issuance of a Patent in the above captioned application, the file has been forwarded to Certificates of Corrections for action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deborah Crouch, Ph.D. whose telephone number is (703) 308-1126.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

The fax number is (703) 308-4242.

Please note the change in art unit number to Art Unit 1632. Please use this art unit number on all correspondence.

Dr. D. Crouch  
November 30, 1998

*Deborah Crouch*  
DEBORAH CROUCH  
PRIMARY EXAMINER  
GROUP 1800/1630

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,831,141  
DATED : November 3, 1998  
INVENTOR(S) : Henryk LUBON, et al..

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

*Title page, Item [75]*

~~Please note on the front cover, the inventor section should be corrected to add the additional inventor, William H. Velandar, and to revise the misspelling of Lothar Hennighausen's name, and therefore~~ the correct listing of inventors should read as follows:

[75] Inventors: Henryk Lubon, Rockville, Md.; William N. Drohan, Springfield, Va.; Lothar Hennighausen, Chevy Chase, Md.; William H. Velandar, Blacksburg, Va.

MAILING ADDRESS OF SENDER:

Foley & Lardner  
3000 K Street, N. W. Suite 500  
Box 25696  
Washington, D. C. 20007-8696

PATENT NO. 5,831,141

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,831,141  
DATED : November 3, 1998  
INVENTOR(S) : Henryk LUBON, et al..

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please note on the front cover, the inventor section should be corrected to add the additional inventor, William H. Velander, and to revise the misspelling of Lothar Hennighausen's name, and therefore the correct listing of inventors should read as follows:

**[75] Inventors: Henryk Lubon, Rockville, Md.; William N. Drohan, Springfield, Va.; Lothar Hennighausen, Chevy Chase, Md.; William H. Velander, Blacksburg, Va.**

MAILING ADDRESS OF SENDER:

Foley & Lardner  
3000 K Street, N. W. Suite 500  
Box 25696  
Washington, D. C. 20007-8696

PATENT NO. 5,831,141

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